

Datasheet for ABIN6991875
anti-PRAS40 antibody (C-Term)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	PRAS40 (AKT1S1)
Binding Specificity:	AA 190-240, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRAS40 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	AKT1S1 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human AKT1S1. The immunogen is located within amino acids 190 - 240 of AKT1S1.
Isotype:	IgG
Specificity:	AKT1S1 antibody is human, mouse and rat reactive. At least three isoforms of AKT1S1 are known to exist.
Purification:	AKT1S1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PRAS40 (AKT1S1)
Alternative Name:	AKT1S1 (AKT1S1 Products)

Target Details

Background:	AKT1S1 Antibody: The Akt signaling pathway contributes to the regulation of apoptosis after a variety of cell death signals. AKT1S1, also known as PRAS40, is a proline-rich substrate of the kinase AKT1 and is thought to play a role in neuroprotection mediated by nerve growth factor (NGF) after transient focal cerebral ischemia (1). AKT1S1 is also a substrate and potential regulator of mammalian target of rapamycin (mTOR), a serine/threonine kinase that regulates cell growth and cell cycle, and a negative regulator of autophagy (2). Treatment with the insulin-like growth factor-1 (IGF1) can induce the phosphorylation of AKT1S1 via the PI3K/AKT signaling pathway in PC12 cells (3).
Molecular Weight:	Predicted: 30 kDa Observed: 28 kDa
Gene ID:	84335
NCBI Accession:	NP_115751
UniProt:	Q96B36
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Cell Size , Autophagy , BCR Signaling , Warburg Effect

Application Details

Application Notes:	AKT1S1 antibody can be used for detection of AKT1S1 by Western blot at 1 - 2 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	AKT1S1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, 4 °C

Storage Comment: AKT1S1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.